

LONCAR, Ivan, docent inz.'

Water in the central heating systems for buildings. Bratislava
6 no.9/12;9-19 '64.

KOMAR, J.

"Some Possibilities in Electrical Research in Yugoslavia" p. 12
("SOME POSSIBILITIES IN ELECTRICAL RESEARCH IN YUGOSLAVIA", Belgrade, 1950,
(Yugoslavia))

SO: Monthly List of East European Acquisitions, Library of Congress, Vol. 2,
No. 10, October, 1955, Unclassified

LONCAR, Josip

Measurements in the investigation of protection against roentgen rays and gamma rays. Arh.hig.rada 5 no.3-4:330-350 1954.

1. Zavod za osnovne elektrotehnike i elektricka mjerena Tehnickog fakulteta u Zagreb.

(ROENTGEN RAYS, inj.eff.
protection by electronic monitors(Ser))

(RADIACTIONS, inj.eff.
gamma, protection by electronic monitors (Ser))

(ELECTRONICS, appar. & instruments
electronic monitors for protection against x-rays
& gamma rays (Ser))

LONCAR, Josip, dr., prof., akad. (Zagreb, Rooseveltov trg 3)

Concerning some new semiconductors and their application in
electrical engineering. Elektrotehnika Hrv 1 no.1-2:53-62 '58.

1. Predstojnik Zavoda za osnove elektrotehnike i elektricka
mjerenja na Elektrotehnickom fakultetu Sveucilista u Zagrebu;
član Redakcionog odbora, "Elektrotehnika", urednik strucne
rubrike "Opca elektrotehnika i mjerna tehnika"

LONCAR, Josip, dr., prof. (Zagreb)

Masters, devices for molecular amplification of microwave and optical signals. Elektrotehnika Hrv 3 no.4:154-157 '60.

1. Predstojnik Zavoda za osnove elektrotehnike Elektrotehnickog fakulteta Sveucilista u Zagrebu; clan Redakcionog odbora, "Elektrotehnika u industriji i pogonu"; urednik strucne rubrike "Opca elektrotehnika i mjerna tehnika", "Elektrotehnika u industriji i pogonu"

LONCAR, Josip, prof. dr (Zagreb)

The latest development of lasers. Elektrotehnika Hrv 4 no. 1/2:5-7 '62.

1. Clan Redakcionog odbora, "Elektrotehnika u industriji i pogonu",
upravitelj Zavoda za osnove elektrotehnike Elektrotehnickog fakulteta,
Zagreb (Roseweltov trg 6).

LONCARIC, Josip, dipl. fiz.

Planning and designing automation in the processing industry.
Automatika 5 no.2:91-95 '64.

1. Oil Institute, Zagreb, Savska c. 88a.

LONGARIC, Josip, dipl. fiz.

How an industrial process should be equipped with instruments.
Automatika 5 no.3:179-186 '64

1. Oil Institute, Zagreb, Savska c. 88a.

LONCAR, Martin

Concluding address of Martin Loncar. Nafta Jug 13
no. 11/12: 281 N-D '62.

LCN'CAR, ".

Possibilities of exportation of wood products from Croatia. p. 1.(S. 114)
INDUSTRIJA, Vol. 5, no. 3/4, Mar./Apr. 1954, Zagreb, Yugoslavia)

See: Monthly list of East European accessories, (EAA), EC, Vol. 4, no. 1
Jan. 1955, incl.

HORGAS, Dragutin; LONCAR, Viktorija.

Nutritive value of pickled turnip. Acta pharm. jugosl. 5 no.3:
109-114 1955.

1. Central Institute of Hygiene. Dept. of Food Hygiene, Zagreb.
(VEGETABLES,
turnip, pickled, nutritive value (Ser))

LONCAR, Zdenka, inz.

Production of metal castings. Ljevarstvo 9 no.5/6:123-127 '62.

1. Zeljezara Sisak.

LONCAR, Zdenka, inz. (Sisak)

Behavior of cast iron under increased temperature. Ljevarstvo
8 no.3/4:98-103 '61.

1. Zeljezara Sisak, Sisak.

LONCAR, Zdenka

Cleaning of casts. Ljevarstvo 10 no. 3/4:71-85 '63.

1. The Sisak Ironworks, Sisak.

COUNTRY	:	Yugoslavia
CATEGORY	:	
ABS. JOUR.	:	AZKhim., no. 22 1959, no. 78854
AUTHOR	:	<u>Loncaric, J.</u>
NAME	:	Not given
TITLE	:	The Use of Radioisotopes in Industrial Measurements
CRIT. PUB.	:	Nafta (Yugoslavia), 9, No 10, 283-295 (1958)
ABSTRACT	:	A review of the possibilities for the application of radioisotopes in the petroleum and other industries. Ye. Stefanovskiy
CARD	:	1/1

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930510

LONCARIC, J.

A discussion on the instrumentation of industrial processes
with equipment made in Yugoslavia. Automatika 5 no.4:336 '64.

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930510C

LONCEAR, C.

Much more construction material to construction yards! p. 3.

CONSTRUCTORUL. (Ministerul Constructilor si Industriei Materialelor de Constructii si Unuinea Sindicatelor de Salariati din Intreprinderile de Constructii) Bucuresti. Vol. 7, no. 291. Aug. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

Lonchar, K.

AUTHOR: Lonchar, K.

133-11-18/19

TITLE: The Development of the Iron and Steel Industry in Rumanian People's Republic (Razvitiye metallurgicheskoy promyshlennosti v Rumynskoy Narodnoy Respublike)

PERIODICAL: Stal', 1957, no.11, pp. 1042 - 1045 (USSR).

ABSTRACT: A brief review of the development of the iron and steel industry in Rumania during 1948 - 1957 is given.
There are 2 tables.

ASSOCIATION: The author is the Deputy Minister of the Heavy Industry of the Rumanian People's Republic,

AVAILABLE: Library of Congress
Card 1/1

SERGEYEV, I., inzh.; DAVIDSON, L.; LONCHINSKIY, V., slesar'

Practices of innovators and inventions of efficiency promoters.
Stroitel' no.6:25 Je '60. (MIRA 13:7)

1. Glavnnyy mekhanik UMR-439 tresta No.88 (Khar'kov).
(Building--Tools and implements)

LONDAR, M. S. Cand. Med. Sci.

Dissertation: "Whooping Cough Pneumonias." Moscow Medical Inst., Ministry of Health
RSFSR, 27 Jan 47.

SO: Vechernyaya Moskva, Jan, 1947 (Project #17836)

1. LCNDAR, M. S.; SMIRNOV, S. I.
2. USSR 600
4. Moscow - Street Lighting
7. Street lighting in Moscow, Gor. khoz. Mosk, 21, No. 11, 1947.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

OSTROGOVSKII, A.Ye.; ARTYUKHIN, I.S.; VIDAN', V.N.

Tidal tilts of the earth's surface according to observations made in Poltava during 1957-1959. Trudy Polt. grav. obser.
10:14-19 '61. (MIRA 14:11)

(Tides)

S/169/62/000/008/017/090
E202/E192

AUTHORS: Ostrovskiy, A.Ye., Matveyev, P.S., and Londar', V.N.

TITLE: Tidal inclinations of Earth surface in Poltava
according to observations during 1958-1959

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 21,
abstract 8 A 140. (Tr. Poltavsk. gravimet. observ.
AN USSR, v.10, 1961, 14-19).

TEXT: From July 1958 the Poltavskaya gravimetriceskaya
observatoriya (Poltava Gravimetric Observatory) carried out
observations of the tidal inclinations of Earth surface, using
photoelectric inclinometers of A.Ye. Ostrovskiy.. The inclinations
were registered in meridian and first vertical. The main purpose
of these observations was to check the new type of instrument and
to explain possible local effects on the tidal deformation of
Earth surface. Results of the processed observational data are
included covering the period from November 1958 to June 1959.
Harmonic analysis was carried out according to the method of
P.S. Matveyev. The most reliable values of γ were obtained from

Card 1/2

Tidal inclinations of Earth ...

S/169/62/000/008/017/090
E202/E192

wave M_2 . The component NS gave $\gamma = 0.681 \pm 0.021$, and component EW, $\gamma = 0.697 \pm 0.021$. These results are in good agreement with those of the 11-year-long sequence of observations (1930-1941) which confirms the suitability of the instruments of new construction.

[Abstractor's note: Complete translation.]

Card 2/2

..., G. I.; KOVRIGIN, O. D.; LATYSHEV, G. D.; LONDARENKO, G. A.; NOVGORODOV, A. F.

"New Data on Conversion Electrons of Long-Lived Isotopes of Lutetium."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 1 -22
Feb 64.

FIYaF AN KazSSR (Inst Nuclear Physics, AS KazSSR)

L 17884-65 EWT(m) DIAAP/SSD/AFWL/ESD(t)

ACCESSION NR: AP4049257

S/0361/64/000/001/0051/0059

AUTHOR: Kovrigin, O. D.; Laty*shev, G. D.; Londarenko, G. A. *B*

TITLE: Theoretical and experimental probabilities of radiative transitions in the deformed nucleus Yb-173 *19*

SOURCE: AN Kazakhskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 1, 1964, 51-59

TOPIC TAGS: ytterbium, radiative transition, transition probability, internal conversion, gamma transition

ABSTRACT: The theoretical calculations are based on the formulas of V. F. Weisskopf (Phys. Rev. v. 83, 1073, 1951 and S. A. Moszkowski, (Phys. Rev. V. 83, 1071, 1951 and v. 89, 475, 1953). Those of the required Clebsch-Gordan coefficients which have not been published elsewhere are also calculated and tabulated. The experimental partial probabilities were obtained by measuring the spectrum of

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L 1784-65

ACCESSION NR: AP4049257

the internal conversion electrons, using for the lifetimes of the excited levels the values obtained by E. Ye. Berlovich et al. (Izv. AN SSSR ser. fiz. v. 25, 1275, 1961). The conversion electron spectrum was measured with a large double-focusing magnetic beta spectrometer. The source was the lutecium fraction obtained by chromatographic separation of a tantalum target bombarded for 10 hours with 660-MeV protons. Comparison of the theoretical and experimental data disclosed a strong hindrance of γ transition to the ground state, those indicating that Yb¹⁷³ is a strongly deformed nucleus and the γ transitions are of the electric dipole type. Orig. art. has: 3 figures, 9 formulas, and 5 tables.

ASSOCIATION: None

SUBMITTED: 28Jan63

SUB CODE: NP

NR REF SOV: 005

O
ENCL: 00

OTHER: 005

Card 2/2

L 32834-65 EIT(c)/EW(n)-2/EIT(t)/EG(b) Fu-4 DIAAP/IJP(c) JB/JG
ACCESSION NR: AP5004540 S/0048/65/029/001/0159/0162

AUTHOR: Sychikov, G. I.; Kovrigin, O. D.; Latyshev, G. D.; Londarenko, G. A.; Novgorodov, A. F.

TITLE: New data on the conversion electrons from the long-lived isotopes in the lutetium fraction from proton bombarded tantalum Report, 14th Annual Conference on Nuclear Physics held in Tbilisi 14-22 Feb 1964

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.29, no.1, 1965, 159-162

TOPIC TAGS: internal conversion, isomeric transition, multipolarity, lutetium, hafnium, tantalum, proton bombardment

ABSTRACT: The internal conversion electrons from the lutetium fraction of a tantalum target bombarded for 10 hours with 660 MeV protons were observed over the Hp range from 400 to 2200 Oe cm with a large double-focusing magnetic spectrometer having a momentum resolution of 0.2% and a transmission factor of 0.65% of 4π. Two sources, both prepared by electrolysis, were employed, and the measurements were begun 9 months after a double chromatographic separation of lutetium from the accumulated rare earths. Seventeen conversion lines were identified with 12 transitions

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L 32834-65

ACCESSION NR: AP5004540

in Hf¹⁷⁷ and 5 lines with 3 transitions in Lu¹⁷⁷. Several other conversion lines were ascribed to Lu¹⁷³ decay (transitions in Yb¹⁷³). The responsible nucleus was identified in each case by the half-life of the conversion line. There was no appreciable contamination with Hf¹⁷² and Hf¹⁷⁹. Relative intensities were measured and the multipolarities of the 3 Lu¹⁷⁷ transitions were determined. The results concerning the Lu¹⁷⁷ transitions are in agreement with the findings of Olebent (Preprint, 1963) and P.Alexander, F.Boehm and L.Kankeleit (Preprint, 1963) and it is concluded that isomeric Lu^{177m} is produced by the reaction Ta¹⁸¹(p,3p2n). "The authors express their gratitude to L.K.Peker for discussing this work." Orig.art. has: 2 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 00/-/Jan65

ENCL: 00

SUB CODE: NP

NR REF SOW: 003

OTHER: 003

Card 2/2

SYCHIKOV, G.I.; KOVARIKIN, G.D.; LAVZOVSKY, G.D.; PONOMARENKO, G.V.; KIVIYEV, V.I.

Spectrum of nucleophilic substitution of the 1-nitrobenzene derivative.

Izv. AN SSSR. Ser. Khim. 3: 541-544 (1960).

(MIR) 1961

L 07156-67 EFT(m)/EWF(t)/ETI IJP(c) JD/JG
ACC NR: AF7001028 SOURCE CODE: UR/0048/66/030/001/0162/0166

SYCHIKOV, G. I., KOVRIGIN, O. D., LATYSHEV, G. D., LONDARENKO, G. A., and
NOVIKOV, V. N.

"Conversion Electron Spectrum of an Iridium Fraction" (Paper presented at
the 2nd All-Union Symposium on the Physics of Thin Ferromagnetic Films;
Irkutsk, 10-15 July 1964)

Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaiya (Bulletin of the Academy
of Sciences USSR: Physics Series), Vol 30, No 1, Jan 1966, pp 162-166

Abstract: A large double-focussing magnetic beta spectrometer was used to
study the iridium fraction of a gold target irradiated with 660 Mev protons
at the Joint Institute of Nuclear Studies. The energies and relative intensities
of the conversion lines of Ir¹⁸⁹ and Ir¹⁹⁰ are tabulated. Lines were
observed for Ir¹⁸⁸, Ir¹⁸⁹, Ir¹⁹⁰, and Ir¹⁹³ but not for Ir¹⁹², which fact
is explained as due to the weakness of the source. The effects on the
spectrum of traces of Re¹⁸³ and Pt¹⁸⁸ are discussed. The multipolarity of
transitions 180.5, 147.0, 185.9, 197, and 233.5 kev was determined. Results,
in general, agree with available data. Orig. art. has: 4 figures and 4 tables.
[JPRS: 35,435]

ORG: none

TOPIC TAGS: conversion electron spectrum, iridium
SUB CODE: 20,18 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 002
Card 1/1 R166

0924 0030

LONDARENKO, O.M.; GOLOVINSKAYA, S.M. [Holovins'ka, S.M.]; SAVCHENKO,
N.M.; LIKHTIK, O.G. [Likhtyk, O.H.]; BARANSKAYA, S.F.
[Barans'ka, S.F.]; RACHINSKAYA, T.V. [Rachyns'ka, T.V.]

Proposals of efficiency promoters of the "Children's Clothing"
Factory No.4 in Kiev. Leh. prom. no.3:74-76 J1-S '65.
(MIRA 18:9)

LONDAREVA, G. P.

USSR/Medicine - Miotic Drugs Mar/Apr 52

"Analytical Characteristics of the Drug Fosfakol
[Phosphacol]," A. K. Ruzhentsova, G. P. Londareva,
Anal Lab, All-Union Chem-Phar Inst imeni S. Ord-
zhonikidze, Moscow

"Med Prom SSSR" No 2, 35-37

Phosphacol (mono-p-nitrophenyl diethyl phosphoric acid ester) is recommended for the treatment of glaucoma and may in many cases replace pilocarpine. Gives directions for its quant detn and qual identification.

207T56

LONDAREVA, G. P.

USSR/Chemistry, Analytical - Drugs

Jul/Aug 52

"Analytical Characterization of Thiphen (Hydrochloride of Diethylaminoethyl Ester of Diphenylthioacetic Acid), A. K. Ruzhentseva, G. P. Londareva, Analyst, Lab, All-Union Sci Res Chem-Phar Inst imeni S. Ordzhonikidze

"Med Prom" No 4, pp 40-42

In view of the fact that thiophen was found to be an effective spasmolytic (having an action of the same type as papaverine) which at the same time exhibits an action similar to that of atropine,

222214

the necessity of standardizing this drug from the analytical standpoint became imperative. Describes qual and quant tests for this drug.

DOKUCHALOVA, V.V.; LONDER, M.I.; MIKHAYLYUK, A.S.

Measurement of minor friction moments. Izm.tekh. no.4:55-58
(MIRA 15:4)
Ap '62. (Friction--Measurement)

DOKUCHALOVA, V.V. & LONDER, M.I.

Automatic measurement of minor starting moments. Izm.tekr. no.7:
(MIGA 15.6)
11-12 J1 '62.
(Electronic instruments)

LONDER, M.I. (Moskva)

Stabilization of the speed of electric motors using relaxation
generators. Avtom.i telem. 23 no.4:447-452 Ap '62. (MIRA 15:4)
(Electric driving)

L 14048-65 AFMD(c)/ASD(a)-5/AFETR/ESD/AFTC(p)/EADM(a)/ESD(dp)
ACCESSION NR: AP4044835 S/0280/64/000/004/0149/0158

AUTHOR: Louder, H. I. (Moscow)

TITLE: Determining periodic states in digital automatic systems

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 4,
1964, 149-158

TOPIC TAGS: periodic state, digital automatic control system,
self sustained oscillation, periodic state existence domain,
frequency response function

ABSTRACT: Determination of periodic states in digital automatic
control is analyzed. Using one version of the harmonic balance
method (the harmonic linearization method) proposed by Ya. Z. Tsypl-
kin, the following approximate expression for the equivalent complex
amplification coefficient of a quantizer is derived

$$r^*(\alpha, \varphi, N) = \frac{k_0}{2} + \frac{k_0}{N} i \sum_{n=0}^{N-1} \Delta \varphi e^{-i\left(\frac{\pi}{N} n + \varphi\right)}, |\Delta \varphi| < 0.5.$$

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L 14048-65
ACCESSION NR: AP4044835

where N is the number of lattice points of the lattice function which describes the periodic state with the half-period π/λ , a and ϕ are parameters of self-sustained oscillations, $k_0/2$ is the linear amplification coefficient of the quantizer, and $n = a/q$, where q is the quantization interval. Expression (1) makes it possible for various combinations of the values a , ϕ , and N to construct curves $I^*(a, \phi, N)$ in the complex plane and, to determine approximate domains where symmetric self-sustained oscillations can exist, and to determine their maximal amplitude. The conditions are derived which must satisfy the frequency-response function of the equivalent continuous part of the converter in order that the amplitudes of all possible periodic states do not exceed the given level. Orig. art. hast 28 formulas.

ASSOCIATION: none

ENCL: 00

SUBMITTED: 03Jun63

OTHER: 001

SUB CODE: MA

NO REF Sov: 011

Card 2/2

LONDIN, J.

On the threshold of our second Five-Year Plan. p.1.
ELEKTROTECHNIK, Prague, Vol. 11, no. 1, Jan. 1956.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956,
Unc1.

LONDIN, J., inz.

"Electrotechnology" by [inz.] Frantisek Desort. Reviewed by J.
Londin. El tech obzor 51 no.12:668 D '62.

LONDIN, J., inz.

"Additional field, forces and loss in an asynchronous machine" by B. Heller
and V. Hamata. Reviewed by J. Londin. El tech obzor 51 no.11:612-613
N '62.

LONDIN, J., inz.

"Three-phase commutator derivation motors, their theory and practice"
by V. Klima and J. Rozek. Reviewed by J. Londin. Elektrotechnik 18
no.2:58-59 F '63.

FILONOV, V.A.; LONDINSKAYA, K.I.

Content of phenols in natural waters. Dokl. AN BSSR 8 no.10:664-666
O '64. (MIRA 18:3)

1. Institut geologicheskikh nauk Gosudarstvennogo geologicheskogo
komiteta SSSR.

LONDON, E.Ya.

Relation between the change in the composition of natural gases,
petroleums, and waters in Dnieper-Donets producing horizons and
their depositional conditions. Trudy VNIIGAZ no. 4:94-101 '58.
(MIRA 11:12)

(Gas, Natural--Analysis) (Petroleum--Analysis)
(Oil field brines--Analysis)

LONDON, E.Ye.

Some characteristics of gas survey methods used in prospecting
for petroleum and gas. Trudy VNIGNI no.11:53-56 '58.

(Gas, Natural) (Geochemical prospecting) (MIRA 13:1)

LONDON, E.Ye.

Importance of hydrogeology in gas prospecting in the Dnieper-
Donets Lowland and northwestern margin of the Donets Basin.
Trudy VNIIGAZ no.10:94-103 '60. (MIRA 13:10)
(Dnieper-Donets Lowland--Gas, Natural--Geology)
(Water, Underground)

LONDON, E.Ye.; ZOR'KIN, L.M.; VASIL'YEV, V.G.

Evaluation of gas potentials based on the composition and elasticity
of gases dissolved in underground waters. Geol. nefti i gaza 5
no. 3:35-40 Mr '61. (MIRA 14:4)
(Gas, Natural—Geology)

LONDON, E.Ye.

Some characteristics of gas and oil accumulation in the Dnieper-
Donets Lowland. Geol.nefti i gaza 6 no.3:24-28 Mr '62.

(MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnikh gazov.
(Dnieper-Donets Lowland—Petroleum geology)
(Dnieper-Donets Lowland—Gas, Natural—Geology)

LONDON, E.Ye.; MEKHTIYEVA, V.L.

Some results of studies on the microflora of underground waters
in the Shebelinka gas field and adjacent areas. Trudy VNIIGAZ
no.15:199-211 '62. (MIRA 15:8)
(Shebelinka region--Water, Underground--Microbiology)
(Shebelinka region--Gas, Natural--Geology)

LONDON, E.Ye.

Factors determining the formation and present-day geochemistry of
oil and gas pools in the Dnieper-Donets Lowland. Trudy VNIIGAZ
no.16/24:198-228 '62. (MIRA 15:3)
(Dnieper-Donets Lowland--Petroleum geology)
(Dnieper-Donets Lowland--Gas, Natural--Geology)

LONDON, E.Ye.

Degree of the saturation of reservoir waters with dissolved hydrocarbons and sulfates as a prospecting index in evaluating the prospects for finding gas and oil. Geol. nefti i gaza 8 no.11:41-47 N '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza.

L 33994-65 ENT(d)/ENT(1)/EPF(n)-2/EPR/ENA(d)/EWP(v)/EWP(k)/EWP(h)/ENG(c)/EWP(l)
ACCESSION NR: AP4018875 Pf-4/Ps-4/Fu-4 NM S/0043/64/000/001/0175/0176

AUTHOR: London, G. Ye.

48
B

TITLE: Instrument for measuring rapidly changing temperatures 10

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mehaniki i
astronomii, no. 1, 1964, 175-176

TOPIC TAGS: resistance thermometer, thermometer, thermocouple, computer, feed-back, automatic control 21

ABSTRACT: As a further development of existing experimental devices for measuring and regulating temperature or for measuring fluctuations in the velocity of a gas flow using thermocouples, the author proposes a device which accomplishes automatic correction of the time constant of the circuit in response to changes in the time constant (T) of the temperature sensitive element by introducing a magnetic coil in which the current flow is proportional to T . This device combines a resistance thermometer with a phase-leading circuit and a computer consisting of 3 amplifiers by which the derivatives of the temperature fluctuations are determined. Operation of the device requires that the ratio of resistance to inductance in the phase-leading circuit be proportional to T .

Card 1/2

L 33994-65

ACCESSION NR: AP4018875

Orig. art. has: 1 figure

ASSOCIATION: none

SUBMITTED: 19Oct63

ENCL: 00

SUB CODE: IE

NO REF SOV: 001

OTHER: 001

Card 2/2

L 23825-65 EWT(1)/EWG(k)/EPA(sp)-2/EPA(w)-2/EEC(t)/T/EEC(b)-2/EWA(m)-2
Pz-6/Po-4/Pab-10/Pi-4 IJP(c) AT

ACCESSION NR: AP5000347

S/0057/64/034/012/2190/2191

AUTHOR: London, G.Ye.

TITLE: Method of solving problems involving motion of plasma under the influence of an external electromagnetic field

SOURCE: Zhurnal tekhnicheskoy fiziki, v.34, no.12, 1964, 2190-2191

TOPIC TAGS: magnetohydrodynamics, plasma research, plasma flow

ABSTRACT: H.Alfven (Cosmical Electrodynamics, Oxford 1950; cited in Russian translation, M.1952) derived expressions relating the parameters of a homogeneous plasma in an external electromagnetic field with the parameters of an equivalent system: an electric circuit. In the present paper there is proposed a method for applying the Alfven equations and approach to the case of an inhomogeneous plasma. The medium is divided into n regions in each of which the plasma may be regarded as homogeneous, and therefore, represented by an equivalent electric circuit. The interaction between the components of the regions is represented in the equivalent circuit by appropriate coupling impedances. A suitable circuit for n = 2 is shown. It is pointed out that the equivalent circuit method not only reduces the number (nor-

1/2

L 23825-65

ACCESSION NR: AP5000847

2
mally very large) of simultaneous equations that have to be solved, but makes it possible to computerize the procedure. Problems of the type susceptible of attack by the equivalent circuit procedure are encountered in MHD in investigating the flow of a conducting fluid in variable cross section channels under the influence of an external electromagnetic field, in designing MHD generators, etc. "The author is grateful to Prof.S.V.Vallander for valuable advice in performing the present work." Orig.art.has: 2 figures.

ASSOCIATION: Leningradskiy ordena Lenina gosudarstvennyy universitet im.A.A.Zhdanova (Leningrad State University)

SUBMITTED: 12Feb64

ENCL: 00

SUB CODE: ME,MA

NR REF SOW: 001

OTHER: 002

2/2

L 20983-66 EWP(v)/EWP(k)/EWP(h)/EWP(l)/ETC(m)-6 W

ACCESSION NR: AP5019932

UR/0043/65/000/003/0107/0112

AUTHOR: London, G. Ye.

44
B

TITLE: On the problem of selecting parameters in a thermocouple temperature measurement system having a correcting circuit

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 3, 1965, 107-112

TOPIC TAGS: temperature measurement, differential equation, thermocouple

ABSTRACT: The use of electronic inertia-correcting devices in thermocouples used for measuring rapidly changing temperatures is studied. A necessary condition for response sensitivity in such a system is that the relaxation constant in the correcting link be equal to the relaxation constant of the thermocouple. To satisfy this condition, an auxiliary magnetic coil is introduced into the system to maintain a current proportional to the above constant, a change in which produces a change in the coil and a corresponding change in the relaxation of the thermocouple. Expressions are derived for the two most frequently encountered cases: when the input signal changes abruptly, and when it changes harmonically. Orig. art. has: 30 formulas.

Card 1/2

L 20983-66
ACCESSION NR: AP5019932

ASSOCIATION: none

SUBMITTED: 05Mar64

NO REF SOV: 007

ENCL: 00

OTHER: 000

SUB CODE: TD, MA

Card 2/2 SMC

L 5261-66 EWT(1)/EWP(m)/EWA(d)/FCS(k)/ETC(m)/EWA(l) SOURCE CODE: UR/0043/65/000/004/0093/0098
ACC NR: AP5027357

AUTHOR: London, G. Ye.

31
33

ORG: none

TITLE: Utilization of thermometric receivers for measuring high temperatures in
a pulsed gas flow

TM

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i
astronomii, no. 4, 1965, 93-98

TOPIC TAGS: gas flow, thermometric sensor, temperature field, electric circuit,
RC circuit, temperature measurement

ABSTRACT: Theoretical and experimental investigations were made to evaluate the
behavior of a thermometric temperature receiver and the corresponding RC-circuit
for measuring the temperature of a fast-changing gas flow. It is shown that the
transient characteristic of the sensing element corresponds to the transient char-
acteristic of an RC-circuit, both being proportional to

$$(1 - e^{-\frac{t}{T}})$$

UDC: 536.532

0201.430.2

Card 1/3

L 5261-66

ACC NR: AP5027357

The inertial equation for the temperature sensor is derived in the form

$$u(t) - u(0) \approx \frac{1}{R_0 C_0} \int [f(z) - u(0)] dz,$$

and three types of input signals are considered

$$f(t) = kt,$$

$$f(t) = 1 - e^{-\frac{t}{T}},$$

$$f(t) = \sin \omega t,$$

For these inputs, approximate equations are derived describing the response characteristics of the thermocouple -R₃R₄C₁-circuit system. The characteristic curves of the sensor-circuit system are plotted graphically and compared to experimental data. The results of the comparison are satisfactory. Orig. art. has: 23 equations and 4 figures.

Card 2/3

09011303

L 5261-66

ACC NR: AP5027357

SUB CODE: EC, ME/ SUBM DATE: 22Jan64/ ORIG REF: 002

OC
Card 3/3

LONDON, G.Ye.

Selecting the parameters of a system for temperature measurement by
means of a thermocouple with correcting circuit. Vest. LGU 20 no.13
107-112 '65. (MIRA 18f7)

LONDON, G.Ye.; BELENKO, V.D.

High-precision electronic chronograph. Vest. LOM RO no. 10:87-92
'65. (MIA 18:16)

LONDON, G.Ye.

Use of thermometric receivers for measuring a high-temperature
pulsed gas stream. Vest. IgU 20 no.19:93-95 '65.

(MIRA 18:10)

ACC NR: AP7002011

SOURCE CODE: UR/0043/66/000/004/0086/0090

AUTHOR: London, G. Ye.; Belenkov, V. D.

ORG: none

TITLE: Establishing an equivalent circuit of a piezoelectric pressure transducer and determining basic parameters of a measuring system for solving gasdynamic problems

SOURCE: Leningrad. Universitet. Vestnik. Seriya matematiki, mekhaniki i astronomii, no. 4, 1966, 86-90

TOPIC TAGS: piezoelectric transducer, pressure transducer, gas pressure, pressure measuring, ~~pressure measuring instrument~~, circuit design, ~~gas dynamics~~

ABSTRACT: This article presents a description and analysis of the operation of an equivalent electric circuit for a piezoelectric pressure transducer which when combined with an adequate measuring circuit makes it possible to reproduce the process under consideration. A differential equation describing the operation of the piezoelectric pressure transducer according to the circuit diagram presented in the text is derived, and a method for calculating basic electric parameters of the circuit is outlined. Orig. art. has: 1 figure and 19 formulas.

SUB CODE: 09, 20/ SUBM DATE: 23Apr66/ ORIG REF: 002/ OTH REF: 002

Card 1/1

UDC: 531.78

LONDON, L. Sh.

23352 Razvitiye kovrovogo proizvodstva v belorussii. tekstil. prom-st',
1949, No. 7, c. 23-25

SO: LETOPIS NO. 31, 1949

London, M.

H-6

RUMANIA / Chemical Technology - Safety First Technique.
Sanitation Technique. Chemical Products and Their
Application. Part 1.

Abs Jour : Referat. Zhurnal Khimiya, No 4, 1958, 11780.

Author : S. Pallade, M. London, A. Roventa, I. Grumberg.

Inst : Not given

Title : Experimental Study of Superphosphate Toxicity.

Orig Pub : Rev. igiena, microbiol., si epidemiol., 1956, No 1, 80 - 83.

Abstract : It was found by experimenting on 37 rabbits, that fluorosis gradually developed in them, if apatite had been chronically introduced in their food, while the introduction of superphosphate (I) resulted in the death of the animals a few days later, which was explained by a greater solubility of F contained in I. Check experiments with neutralized

Card 1/2

RUMANIA / Chemical Technology. - Safety First Technique.
Sanitation Technique. Chemical Products and Their
Application. Part 1.

H-6

Abs Jour : Referat. Zhurnal Khimiya, No 4, 1958, 11780.

Abstract : I showed that the acidity of I furthered the poisoning but
was not its cause. As and Se contained in I were not the
cause of poisoning.

Card 2/2

RUMANIA / Human and Animal Physiology. Metabolism.

T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41090.

Author : London, M.

Inst : Not Given.

Title : The Colorimetric Method of Determination of Cholinesterase of the Blood, and its Advantages.

Orig Pub: Igiena, 1957, 6, No 3, 226-229.

Abstract: No Abstract.

Card 1/1

LONDON, Michaela; SERBAN, P., Dr.; POPOVICI, Carmen

Value of hematological modifications for the evaluation of nitrobenzene toxicity. Pracovni lek. 11 no.3:165-167 Apr 59.

1. L'Institut d'Hygiène et de Santé Publique de Roumanie--Section d'Hygiène du Travail.

(NITROBENZENE, toxicity,
blood changes in animals (Fr))

LONEN, N. I. (DECEASED)

USSR/Medicine-Radiations, Effects Actinometers [REDACTED]

Nov. 48

"Deleterious Effects of Thermal Radiation on Sanitary Conditions in Hot Machine Industry plants," N. I. Lonen (deceased), G. V. Kilevskaya, Inst of Labor Hygiene, VTsNII, U.S.S.R.

"Cig i Sov" No 11

Basis points in determining effect of thermal radiation on human organism are: intensity of g-cm/sq cm per min, magnitude of exposed surface, and length and interruption of a working day. Observations on these points were made in various large plants. Multin actinometer (calibrated according to impure units) was used in this test.

PA 48/49T78

LONDON, V.N., inzh.

Needed gauge-template for high-speed track-measuring cars Put' i
put. khoz. 9 no.2:15-16 '65. (MIRA 18:7)

LONDON, Ya. I

"Electrocardiograph Alterations in Patients with Coronary Arteriosclerosis Under Treatment in Kislovodsk." Thesis for degree of Card. Medical Sci. Sub 16 May 50, Central Inst for the Advanced Training of Physicians.

[redacted] Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Yechernaya Moskva, Jan-Dec. 1950.

Z/011/62/019/012/004/005
E112/E435

AUTHOR: Londzion, A. et al

TITLE: Epoxy adhesives, modified by polyvinylacetals

PERIODICAL: Chemie a chemická technologie. Přehled technické a hospodářské literatury, v.19, no.12, 1962, 567, abstract Ch 62-7661. (Polimery-tworywa, v.7, no.2, 1962, 68-72)

TEXT: The paper discusses: Preparation of the basic resin and adhesive derived therefrom; cleaning and preparation of surfaces prior to application of adhesives; methods of application of adhesive solutions; testing of bonding and shearing strengths; comparison of epoxy-adhesives, modified by polyvinylformal and polyvinylbutyral. 18 literature references.

[Abstracter's note: Complete translation.]

Card 1/1

LONG, D.

Energy bands in semiconductors. Usp. fiz. nauk 80 no.4:
639-664 Ag '63. (MIRA 16:9)

L 8162-66 EWT(1)/EWT(m)/ETC/EWG(m)/EWP(b)/EWP(t) IJP(c) RDW/AT/JD
ACCESSION NR: AP5019890 UR/0181/65/007/008/2554/2556

AUTHOR: Stavitskaya, T. S.; Long, V. A.; Yefimova, B. A. '70

TITLE: Thermoelectric properties of n-PbTe at high temperatures '67

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2554-2556 B

TOPIC TAGS: lead compound, telluride¹⁷, thermoelectric property, electric conductivity, thermal emf, Hall constant, carrier density, carrier scattering, forbidden band

ABSTRACT: To extend the range of temperatures and concentrations in which the thermoelectric properties of n-PbTe are known at present, the authors measured the electric conductivity, the thermal emf coefficient, and the Hall constant in the temperature interval 300 — 1000K with the electron concentration varying from 1×10^{19} to $1 \times 10^{20} \text{ cm}^{-3}$. The measurements were made with single-crystal and polycrystalline samples of n-PbTe, the properties of which were practically the same in the investigated temperature and concentration ranges. The results are shown in Fig. 1 of the Enclosure. The measurements have shown that, in the investigated region of temperatures and concentrations, the conductivity is essentially of the impurity type. The effective mass has a temperature dependence in the form

Card 1/3

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L 8162-66

ACCESSION NR: AP5019890

3
 $m^* \sim T^{0.6} - 1.0$. The Hall constant remains practically constant, and the electron mobility varies like $\mu \sim T^{-3.5}$. The results indicate that the thermal electric properties of strongly alloyed n-PbTe in the temperature interval 100 — 1000K can be explained fully by assuming a single type of carriers and acoustic scattering. The temperature dependence of the effective mass agrees qualitatively with the temperature variation of the width of the forbidden band. Orig. art. has: 2 figures, 1 formula and 1 table.

ASSOCIATION: Institut poluprovodnikov AN SSSR Leningrad (Institute of Semiconductors
AN SSSR) Leningrad

SUBMITTED: 31Mar65

ENC: 01

SUB CODE: SS

NR REF Sov: 004

OTHER: 002

Card 2/3

ACCESSION NR: AP5019890

ENCLOSURE: 01

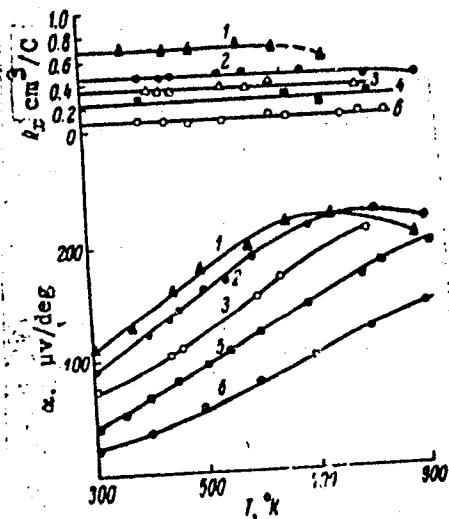


Fig. 1. Temperature dependence of Hall coefficients R and thermal emf α for n-PbTe with different carrier densities

jw
Card 3/3

ACC NR: AP7002395

SOURCE CODE: UR/0363/66/002/012/2096/210?

AUTHOR: Stavitskaya, T. S.; Long, V. A.; Yefimova, B. A.

ORG: Institute of Semiconductors, Academy of Sciences, SSSR (Institut poluprovodnikov Akademii nauk SSSR)

TITLE: Thermoelectric properties of n-PbTe at high temperatures

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 12, 1966, 2096-2102

TOPIC TAGS: lead compound, telluride, thermoelectric property, semiconductor carrier, carrier scattering

ABSTRACT: The thermal emf α , electric conductivity σ and Hall effect R were measured over a wide range of temperatures (300-950 °K) and carrier concentrations (10^{18} - 10^{20} cm^{-3}) on single-crystal and polycrystalline n-PbTe samples. It is shown that in order to account for the properties of n-PbTe up to 950 °K and $n \sim 10^{20} \text{ cm}^{-3}$, it is sufficient to consider a single type of carriers, i. e., only the four-ellipsoid model of <111>. For samples with $n \sim 1 \times 10^{19} \text{ cm}^{-3}$ over the entire temperature range studied, the function $m^*(T)$, where m^* is the effective electron mass, is entirely accounted for by the temperature dependence of the forbidden gap width. At higher concentrations, a certain discrepancy apparently due to the nonparabolicity of the conduction band is observed between the experimental and theoretical data. The following

Card 1/2

UDC: 546.815'24:541.12.03

ACC NR: AP7002395

results were obtained for the temperature dependences of m^* and mobility u at $T = 500^\circ\text{K}$:

$$m^* \sim T^{0.6-0.8}, u \sim T^{-3.5}.$$

It is shown that when $T > 500^\circ\text{K}$, the predominant mechanism of scattering up to $n \sim 1 \times 10^{20} \text{ cm}^{-3}$ is scattering on acoustic phonons. Authors thank B. Ya. Mozhes and L. S. Stil'bans for their steady interest in the work and participation in the discussion of the results. Orig. art. has: 8 figures, 4 formulas and 1 table.

SUB CODE: 20/ SUBM DATE: 21Jun65/ ORIG REF: 004/ OTH REF: 004

Card 2/2

LONGA, Elemer

Problems of renewing and evaluating fixed assets in metallurgy.
Koh lap 97 no.8:365-371 Ag '64.

LONGA, W.

Effect of chemical composition and melting practice on hot crack formation of Hadfield steel.¹⁴ Q. Kraljinin and W. Longa, *Przeglód Odlewniczy* 1959, 107-200. —The various hypotheses on the causes of hot crack formation in Hadfield steel were briefly discussed, and the results of expts. on that grade of steel prep'd. in a 6-ton or 0.75 ton-elec.-arc furnace with basic lining were described. The effect of burning rate of C, oxidn. practice, the Mn:C ratio, and C and Si contents on the sensitivity of Hadfield steel toward hot crack formation was examt., by a technological test involving the mech. restraining action of the mold against metal shrinkage during solidification. The high burning ratio of C, 0.6-0.7 %/hr., resulted in the lowest hot crack sensitivity of steel. For up-complex castings and wall thickness <100 mm, the following chem. compn. of Hadfield steel was recommended: C 1.0-1.3, Mn 10.0-14.0, Si <0.7, P <0.09, and S ≤ 0.03%; the Mn:C ratio 10-11; Al addn. to the ladle as much as 0.4 kg./ton of steel. For complex castings or castings with wall thickness above 100 mm, the chem. compn. of Hadfield steel should be as follows: C 0.05-1.2, Mn 10.0-13.5, Si <0.6, P <0.09, and S <0.03%; the Mn:C ratio above 10; Al addn. to the ladle same as above. W. Tomaszewski

KNIAGININ, Gabriel; LONCA, Wladyslaw

Choice of the optimum size and shape of conventional gravitational
weld reinforcements according to the time of cast solidification.
Metal i odlew 38 no.8:61-97. '61.

1. Katedra i Zaklad metalurgii i Odlewictwa Staliwa Akademii
Gorniczo-Hutniczej.

KNIAGININ, Gabriel; LONGA, Wladyslaw

Mechanism of overheating of metal in exothermic heads and
determination of methods for measuring the heat efficiency
of the mass of exothermic lining. Archiw hutn 7 no.1:97-116
'62.

LONGA, Wladyslaw, mgr inz.

Quantitative determination of the solidification process of
castings in sand molds on the basis of specifically tested wall
thickness. Przegl odlew 12 no.1:7-14 Ja '62.

LONGA, Wladyslaw, dr inz.

Method of calculating the sizes of various kinds of risers
cooling with small intensity ($B_i < 0,1$). Przegl odlew 12
no.8/9:267-273 Ag-S '62. R

LONGA, Wladyslaw, mgr inz.

Theory of calculating the amount of gravitational risers for solidifying castings in sand molds; summary of doctor's dissertation. Przegl mech 21 no.21:672 N '62.

1. Akademia Gorniczo-Hutnicza, Katedra Metalurgii i Odlewnictwa Staliwa, Krakow.

LONGA, Wladyslaw, dr.-ins.

Effect of the shape of the cast part on the solidifying time in
the sand mold. Przegl odlew 12 no.12:373-376 D '62.

IONGA, Wladyslaw, dr inż.

Calculation method of riser dimensions for castings solidifying in metal molds. Praegl odlew 13 no.7:177-182 Jl '63.

LONGA, Wladyslaw, dr. inz.

Calculating the size of inner chills ensuring the required
hot spot solidification time. Przegl odlew 13 no. 8/9:201-206
Ag-S '63.

NGA, Wladyslaw

Calculation of the dimensions of internal chills for the hot
spots formed by joining vertical flat walls. Przegl odlew
14 no.2:45-51 F'64.

HEGYI, E.; HORACEK, J.; LONGAUER, E.; PODPEROVA, M.

Etecylenic acid in the treatment of psoriasis and other dermatoses. Lek.listy 6 no.5:151-154 1 Mar 51. (CLML 20:6)

1. Of the Dermatological Clinic of the Slovak University, Bratislava (Head--Prof. J.Treger,M.D.) and of the Dermatological Clinic of Masaryk University in Brno (Head--Prof.A.Tryb,M.D.). Authors are M.D.'s.

LONGAER, F.

TECHNIK

periodicals: JULY Vol. 6, no. 7, July 1958

LONGAER, F. Prototype of a Pehron slinger-type mine-filling machine.
p. 221.

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 5
May 1959, Unclasc.

LONGAUER, J.; BAKYTA, A,

Hemangiectasis atrophicans - variation of the Klippel-Trenaunay syndrome. Cesk.derm. 38 no.6:388-390 D '63.

1. Dermato-venerologicke oddelenie OUNZ v. Prievidzi, veduci MUDr. J. Longauer.

*

LONGAUER, J.; BAKYTA, A.

Drug exanthem after antiepileptics. Časž. derm. 29 no.3:211-214
My'64

1. Dermato-venerologicke oddelenie ĽUNZ v Prievidzi; veduci
MUDr. J.Longauer.

LONGAUER, Jaroslav, inz.

Machining line for chair parts from molded laminated wood.
Drevo 19 nov. 6-8 Ja'64.

1. Preglejka, n.p., Zarnovica.

LONGAUER,J., inz., doc.

Ceramic ceiling constructions in Italy. Stavivo 41 no.8:
306-308 Ag*63.

CZECHOSLOVAKIA

LONGAUER, J., dr

Head, Dermatovenerological Department (Dermatovenerologicke
oddelenie) OUNZ, Prievidz

Bratislava, Lekarsky obzor, No 5, May 1966, pp 311-314

"Nelson-Meyer's immobilization test in the diagnosis
of syphilis."

CZECHOSLOVAKIA

LONGAUER, J., dr

Head, Dermatovenerological Department (Dermatovenerologicke
oddelenie) OUNZ, Prievidz

Bratislava, Lekarsky obzor, No 5, May 1966, pp 311-314

"Nelson-Meyer's immobilization test in the diagnosis
of syphilis."

LONGAUER, J.

Results of teaching cadres at the Institute for Research on Welding in Bratislava in 1953, p. 60, ZVARANIE (Ministerstvo průmyslu a rudných bení a Ministerstvo školství) Bratislava, Vol. 3, No. 2, Mar. 1954.

SOURCE: East European Acquisitions List (EEAL) Library of Congress,
Vol. 14 No. 12, December 1955